WHAT IS CLAIMED IS:

- 1. An ultrasonic puncture needle comprising:
- a sheath which is inserted into a treatment tool insertion channel of an ultrasonic endoscope; and
- a needle tube for being inserted into tissue within the body cavity through the sheath, which includes a plurality of staggered-array doughnut-shaped recesses over a predetermined range on the surface of the tip portion of the needle tube from the portion near the tip of the needle tube.
- 2. An ultrasonic puncture needle according to Claim 1, wherein the plurality of doughnut-shaped recesses are arrayed so as to be spread in a radial pattern from the tip of the needle tube.
- 3. An ultrasonic puncture needle according to Claim 1, wherein the multiple doughnut-shaped recesses are formed using a laser apparatus or an electric discharge machining apparatus.
- 4. An ultrasonic puncture needle according to Claim 3, wherein the multiple doughnut-shaped recesses are formed using a laser apparatus or an electric discharge machining apparatus under positioning control set so that the

doughnut-shaped recesses have no adverse effects on an cutting-tip portion forming the needle tube due to overlap of the doughnut-shaped recesses and the cutting-tip portion.

- 5. An ultrasonic puncture needle comprising a needle tube which is to be inserted into a treatment tool insertion channel of an ultrasonic endoscope so as to be inserted into tissue within the body cavity, wherein the needle tube includes a plurality of recesses over a predetermined range on the surface of the tip portion thereof from the tip thereof on the back side of an cutting-tip portion.
- 6. An ultrasonic puncture needle according to Claim 5, wherein the plurality of recesses are arrayed so as to be spread in a radial pattern from the tip of the needle tube.
- 7. An ultrasonic puncture needle according to Claim 5, wherein the plurality of recesses are formed at positions such that overlap of the recesses and the cutting-tip portion does not occur.
- 8. An ultrasonic puncture needle according to Claim 6, wherein the plurality of recesses are formed at positions such that overlap of the recesses and the cutting-tip portion does not occur.

- 9. An ultrasonic puncture needle according to Claim 5, wherein the plurality of recesses are formed in a doughnut shape using a laser apparatus or an electric discharge machining apparatus.
- 10. An ultrasonic puncture needle according to Claim 6, wherein the plurality of recesses are formed in a doughnut shape using a laser apparatus or an electric discharge machining apparatus.
- 11. An ultrasonic puncture needle according to Claim 7, wherein the plurality of recesses are formed in a doughnut shape using a laser apparatus or an electric discharge machining apparatus.
 - 12. An ultrasonic puncture needle comprising:
- a puncturing portion formed with a suitable length at the tip of the ultrasonic puncture needle; and
- a tube portion formed in the shape of a tube at the rear end of the puncturing portion, wherein the puncturing portion is formed of an cutting-tip portion and a tube-shaped portion formed as an extension of the tube portion, which includes ultrasonic-reflection means on the surface of the tip portion thereof.

- 13. An ultrasonic puncture needle according to Claim
 12, wherein the ultrasonic-reflection means comprises a
 plurality of doughnut-shaped recesses formed and arrayed so
 as to be spread over a predetermined range on the surface of
 the tip portion in a radial pattern from the tip of the tube
 portion on the back side of the cutting-tip portion.
- 14. An ultrasonic puncture needle according to Claim 13, wherein the plurality of doughnut-shaped recesses are formed using a laser apparatus or an electric discharge machining apparatus.
- 15. An ultrasonic puncture needle according to Claim 14, wherein the plurality of doughnut-shaped recesses are formed at positions such that overlap of the recesses and the cutting-tip portion forming the needle tube does not occur, using a laser apparatus or an electric discharge machining apparatus.
- 16. An ultrasonic puncture needle according to Claim
 12, wherein the ultrasonic-reflection means comprises a
 plurality of recessed portions formed and arrayed so as to
 be spread in a predetermined range on the surface of the tip
 portion in a radial pattern from the tip of the tube portion

on the back side of the cutting-tip portion.

- 17. An ultrasonic puncture needle according to Claim
 16, wherein the plurality of recessed portions are formed at
 positions such that overlap of the recessed portions and the
 cutting-tip portion does not occur.
- 18. An ultrasonic puncture needle according to Claim
 16, wherein the plurality of recessed portions are formed in
 a doughnut shape using a laser apparatus or an electric
 discharge machining apparatus.
- 19. An ultrasonic puncture needle according to Claim
 17, wherein the plurality of recessed portions are formed in
 a doughnut shape using a laser apparatus or an electric
 discharge machining apparatus.